

From: [Todd Glindeman](#)
To: [Hood, Lynne](#); [Lannom, Keith -FS](#); [Goessel, Kathryn M -FS](#)
Cc: [Porter, Valerie](#); [Aaron.Scheff@deq.idaho.gov](#); [Brandy Lapthorne](#); [Alan Haslam](#); [Annika Deutsch](#); [Dale Kerner](#); [Dan Kline \(dkline@midasgoldinc.com\)](#); [Annika Deutsch](#); [Maley, Timothy](#); [Leinenbach, Peter](#); [Nalder, Clayton -FS](#); [Bujak, Charissa](#); [Johnna Sandow \(johnna.sandow@noaa.gov\)](#); [Ally Turner \(ally_turner@fws.gov\)](#); [Christen Marve Griffith \(Christen.M.Griffith@usace.army.mil\)](#)
Subject: [EXTERNAL] RE: SGP - Water Quality Modeling and SPLNT Follow-up
Date: Thursday, August 30, 2018 9:17:18 PM
Attachments: [image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

Lynne,

Thanks for your e-mail. We are working on pulling the information together that Peter has requested. We note below that you and Peter are not available for a SPLNT discussion until after 9/24 and will not be able to attend the 9/5 meeting with the USFS.

We would be happy to coordinate a follow up discussion on SPLNT with you. Please provide some dates that work best for you and your team.

Also, please provide dates that work for your team to have follow up discussions on the SFA and SWWC as mentioned below.

Johnna/Ally,

Please add your availability after 9/24 if you would also like to attend since you are also unavailable for the 9/5 meeting.

Thank you

Todd Glindeman

Associate Scientist

Brown and Caldwell | Boise, ID

TGlindeman@brwncald.com

T 208.389.7707 | **C** 208.870.7990



Get water industry news delivered to your desktop, free, from BCWaterNews.com [Sign up now!](#)

From: Hood, Lynne <Hood.Lynne@epa.gov>

Sent: Monday, August 27, 2018 8:20 AM

To: Lannom, Keith -FS <klannom@fs.fed.us>; Todd Glindeman <TGlindeman@brwncald.com>; Goessel, Kathryn M -FS <kgoessel@fs.fed.us>

Cc: Porter, Valerie <valerie.porter@aecom.com>; Aaron.Scheff@deq.idaho.gov; Brandy Lapthorne <blapthorne@BrwnCald.com>; Alan Haslam <ahaslam@midasgoldinc.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Dale Kerner <dkerner@midasgoldinc.com>; Dan Kline (dkline@midasgoldinc.com) <dkline@midasgoldinc.com>; Annika Deutsch

<ADeutsch@BrwnCald.com>; Lau, Sarah -FS <slau@fs.fed.us>; Mebane, Ann - FS <amebane@fs.fed.us>; Anderson, Bret A -FS <baanderson02@fs.fed.us>; Kevin Lewis <klewis@airsci.com>; Maley, Timothy <maley.timothy@epa.gov>; Leinenbach, Peter <Leinenbach.Peter@epa.gov>; Nalder, Clayton -FS <claytonnalder@fs.fed.us>; Bujak, Charissa <bujak.charissa@epa.gov>

Subject: RE: SGP - Water Quality Modeling and SPLNT Follow-up

Hello, thank you for including us on the email coordination.

We would be very interested in a workshop and/or further discussion on the SPLNT model.

As I mentioned in my previous email our shade/temperature modeler, Peter, would not be available until the last week of September.

I spoke with Peter after the call regarding SPLNT on Tuesday, 8/21 with B&C and the Forest Service. I am including Peter's message as a follow-up to request the following information/data.

During the call, Alix mentioned that B&C had offered to provide temperature and shade modeling datasets and models to the cooperating agencies during the Existing Conditions analysis and that this may still be an offer. I followed up with her on the call that I would like to get a hold of this data for West End Creek, Fiddle Creek, and parts of Meadow Creek (The areas outlined in my slides that we went through during our call). Getting this information will help us fully understand some of our questions associated with the SPLNT modeling effort.

West End Creek would represent an area with current high levels of disturbance, while Fiddle Creek would represent a currently undisturbed area: Getting data from these two areas would allow us to evaluate the models in the range of conditions in the project areas. Generally would like to request the shade models (shade.xls), Ttools files results (including the Ttools GIS shapefiles), and Qual2k models, for current, Base Case, 6 year and 12 year conditions. In addition, would like to get a hold of the stream line shapefiles describing the model nodes so that we can evaluate where the QQAL2K model nodes are represented in the world (for the current, Base Case, (and maybe restored (i.e., 12 year) – Fiddle and West End might not move the channel back into the old channel after project activities, so there maybe not “restored” channel line for these rivers). Would also like to get a hold of the canopy heights, canopy density, and elevation grids (I think they said it was 6 meters resolution) developed from lidar data and sampled by Ttools. In addition, any other vegetation grid used to Ttools sample future vegetation/landcover conditions beyond base case conditions. (i.e., 6 year and 12 year). There might be some additional spreadsheets presenting the other calculations used for model inputs into these two models – for example, calculations used to estimate the channel width (although this might already be included in the EC and PA documents), but there might be other parameters not listed above.

Also, Peter said that it would be helpful to have the info listed above, but at the very least we would like to get the canopy density, canopy height, and elevation data.

Lastly, we are currently gathering our comments on the SWWC and there may be follow-up needed regarding that as well. Regarding the workshop list below, we are also interested in SFA workshops as it relates to 404 due to our dual role with the Corps related to Waters of the US.

Please let me know if you have any questions.

Thanks,

Lynne

Lynne Ann Hood
Environmental Scientist, NEPA Review
EPA R10- Idaho Operations Office
950 W Bannock Street, Suite 900
Boise, Idaho 83702

Phone: 208-378-5757

From: Lannom, Keith -FS [mailto:klannom@fs.fed.us]

Sent: Monday, August 20, 2018 11:49 AM

To: Todd Glindeman <TGlindeman@brwnald.com>; Goessel, Kathryn M -FS <kgoessel@fs.fed.us>

Cc:

Subject: RE: SGP - Preliminary FS Comments on MGII Air Quality Report

Todd,

We have identified 3 additional workshops we want to get scheduled:

1. Reclamation - more specifically how Midas Gold plans to reclaim new roads
2. SFA Ledger – revisions for the fish habitat effects analysis
3. Second workshop on SPLNT

There may be additional workshops needed but that is the list we identified at this time.

Please work with Piper to schedule these workshops.

Thanks

keith



Keith Lannom
Forest Supervisor

Forest Service
Payette National Forest

p: 208-634-0701

c: 208-315-0746

klannom@fs.fed.us

500 N. Mission St

McCall, ID 83638

www.fs.usda.gov/payette



Caring for the land and serving people

From: Todd Glindeman [<mailto:TGlindeman@brwnncald.com>]
Sent: Sunday, August 19, 2018 2:56 PM
To: Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Cc: Porter, Valerie <valerie.porter@aecom.com>; Lynne Hood (hood.lynne@epa.gov) <hood.lynne@epa.gov>; Aaron.Scheff@deq.idaho.gov; Brandy Lapthorne <blapthorne@BrwnCald.com>; Alan Haslam <ahaslam@midasgoldinc.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Dale Kerner <dkerner@midasgoldinc.com>; Dan Kline (dkline@midasgoldinc.com) <dkline@midasgoldinc.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Lau, Sarah -FS <slau@fs.fed.us>; Mebane, Ann - FS <amebane@fs.fed.us>; Anderson, Bret A -FS <baanderson02@fs.fed.us>; Lannom, Keith -FS <klannom@fs.fed.us>; Kevin Lewis <klewis@airsci.com>
Subject: RE: SGP - Preliminary FS Comments on MGII Air Quality Report

Thanks for the note PG.

I sent a separate e-mail response to one of your previous e-mails requesting dates/times that the USFS is available for these discussions. We would be happy to help coordinate setting that call up and facilitating.

It would be helpful for our team to have the preliminary comments and any specific questions that you may have ahead of the call so that we can be prepared. Thank you

Todd Glindeman

Associate Scientist
Brown and Caldwell | Boise, ID
TGlindeman@brwnncald.com
T 208.389.7707 | C 208.870.7990



Get water industry news delivered to your desktop, free, from BCWaterNews.com [Sign up now!](#)

From: Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Sent: Thursday, August 16, 2018 4:58 PM
To: Todd Glindeman <TGlindeman@brwnncald.com>
Cc: Porter, Valerie <valerie.porter@aecom.com>; Lynne Hood (hood.lynne@epa.gov) <hood.lynne@epa.gov>; Aaron.Scheff@deq.idaho.gov; Brandy Lapthorne <blapthorne@BrwnCald.com>; Alan Haslam <ahaslam@midasgoldinc.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Dale Kerner <dkerner@midasgoldinc.com>; Dan Kline (dkline@midasgoldinc.com) <dkline@midasgoldinc.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Lau, Sarah -FS <slau@fs.fed.us>; Mebane, Ann - FS <amebane@fs.fed.us>; Anderson, Bret A -FS <baanderson02@fs.fed.us>; Lannom, Keith -FS <klannom@fs.fed.us>; Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Subject: SGP - Preliminary FS Comments on MGII Air Quality Report

Hi Todd – I wanted to let you all know that I have discussed with Keith and while we have preliminary

comments on the Draft Air Quality Report, additional internal discussion is needed, and preferably discussion with your modelers/report preparers and other agency SMEs, prior to delivering FS comments. Since our only agency air modeler is assigned to fire incidents, and fire support is currently the agency's #1 priority, we will not be able to meet the 20-day TAT on comments. At this time, we hope to be able to provide comments by early September. Thanks!

P.S. I show an air EI session with MGII and Nez Perce Tribal staff on my calendar for tomorrow at 9:30, but don't expect that any FS air specialists are available to attend.

Piper Goessel
Stibnite PM/Geologist
Payette NF
208-634-0760
kgoessel@fs.fed.us



From: Goessel, Kathryn M -FS
Sent: Monday, August 13, 2018 3:45 PM
To: Todd Glindeman <TGlindeman@brwncald.com>
Cc: Porter, Valerie <valerie.porter@aecom.com>; Lynne Hood (hood.lynne@epa.gov) <hood.lynne@epa.gov>; Aaron.Scheff@deq.idaho.gov; Brandy Lapthorne <blapthorne@BrwnCald.com>; Alan Haslam <ahaslam@midasgoldinc.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Dale Kerner <dkerner@midasgoldinc.com>; Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Subject: RE: SGP - another air-focused tech session?

Hi Todd – we really need both Ann & Bret in on an air modeling session, so we won't likely be able to do it before 8/27. I doubt that we could get the right folks from other agencies on such short notice, as I know the Tribe is interested in such a session and imagine EPA and DEQ would be as well. It may be that more than one such session is unavoidable, but would be best if we could convene as many of those folks at the same time, so really need to provide earlier notice.

Thanks!

Piper Goessel
Stibnite PM/Geologist
Payette NF
208-634-0760
kgoessel@fs.fed.us



From: Todd Glindeman [<mailto:TGlindeman@brwnald.com>]
Sent: Friday, August 10, 2018 2:18 PM
To: Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Cc: Alan Haslam <ahaslam@midasgoldinc.com>; Porter, Valerie <valerie.porter@aecom.com>; Dale Kerner <dkerner@midasgoldinc.com>; Dan Kline <dkline@midasgoldinc.com>; Brandy Lapthorne <blapthorne@BrwnCald.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Shepherd, Maria <maria.shepherd@aecom.com>; Killam, Bill <bill.killam@aecom.com>; Mebane, Ann - FS <amebane@fs.fed.us>; Robyn Armstrong <robyna@nezperce.org>; Lynne Hood (hood.lynne@epa.gov) <hood.lynne@epa.gov>; Nadeau, Tracie-Lynn <Nadeau.Tracie@epa.gov>; Patty McGrath (mcgrath.patricia@epa.gov) <mcgrath.patricia@epa.gov>; Aaron.Scheff@deq.idaho.gov; Kevin Lewis <kLewis@airsci.com>
Subject: RE: SGP - another air-focused tech session?
Importance: High

PG,

Thanks for reaching out. I think we should be able to make something work.

The original objective of the call with the Nez Perce Tribe (NPT) which you reference below (which is scheduled on Thursday 8/17 from 9:30-11:30) was to provide a high level overview of the air emission inventory and modeling activities that the Midas Gold team has been undertaking. Much of the information that we are planning on presenting is information that has been previously presented to the USFS and the cooperating agencies during the 1/17 technical presentation or discussed on follow up phone calls. This will be the first time that we have presented this information to the NPT. We are open to the USFS and other cooperating agencies attending this call but just wanted to point out that a large portion of the material has already been presented or discussed with the agencies.

Based on your e-mails below, it sounds like it may make sense to also schedule a separate call to go through specific details/questions surrounding the draft air modeling report. We recommend scheduling these meetings as close to the already scheduled call with the NPT and suggest the following days and blocks of time (not sure we would need the full block) as options:

- Thursday 8/16: 12:00 – 3:00
- Friday 8/17: 12:00 – 3:00

We would be happy to extend an invite to the NPT to this follow-up meeting if they have interest in attending as well. Please let me know if either of those days work and which times work best. Thanks

Todd Glindeman
Associate Scientist

Brown and Caldwell | Boise, ID
TGlindeman@brwncald.com
T 208.389.7707 | C 208.870.7990



Get water industry news delivered to your desktop, free, from BCWaterNews.com [Sign up now!](#)

From: Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Sent: Tuesday, August 07, 2018 3:58 PM
To: Todd Glindeman <TGlindeman@brwncald.com>
Cc: Alan Haslam <ahaslam@midasgoldinc.com>; Porter, Valerie <valerie.porter@aecom.com>; Dale Kerner <dkerner@midasgoldinc.com>; Dan Kline <dkline@midasgoldinc.com>; Brandy Lapthorne <blapthorne@BrwnCald.com>; Annika Deutsch <ADeutsch@BrwnCald.com>; Shepherd, Maria <maria.shepherd@aecom.com>; Killam, Bill <bill.killam@aecom.com>; Mebane, Ann - FS <amebane@fs.fed.us>; Robyn Armstrong <robyna@nezperce.org>; Lynne Hood (<hood.lynn@epa.gov> <hood.lynn@epa.gov>); Nadeau, Tracie-Lynn <Nadeau.Tracie@epa.gov>; Patty McGrath (<mcgrath.patricia@epa.gov> <mcgrath.patricia@epa.gov>); Aaron.Scheff@deq.idaho.gov; Goessel, Kathryn M -FS <kgoessel@fs.fed.us>
Subject: SGP - another air-focused tech session?

Hi Todd – following up on a request from both FS and Nez Perce staffs. The NPT has invited the NEPA cooperators and other FLMs to attend a discussion you will be having with them regarding the air emissions inventory on August 17, but we would also be interested in setting up a session to discuss your air modeling report. The timing of such discussions may bear on when we are able to provide substantive comments on your air modeling and the updated AEI used for that effort.

Please let me know if you are interested in setting something like this up or if there may be assistance I can provide to facilitate. Thanks!

Piper Goessel
Stibnite PM/Geologist
Payette NF
208-634-0760
kgoessel@fs.fed.us



From: Goessel, Kathryn M -FS
Sent: Monday, July 30, 2018 4:01 PM
To: 'SGP_PM' <SGP_PM@brwncald.com>; Valerie Porter (<valerie.porter@aecom.com>)

<valerie.porter@aecom.com>; Shepherd, Maria <maria.shepherd@aecom.com>; Alan Haslam (ahaslam@midasgoldinc.com) <ahaslam@midasgoldinc.com>; Dale Kerner (dkerner@midasgoldinc.com) <dkerner@midasgoldinc.com>; Dan Kline (dkline@midasgoldinc.com) <dkline@midasgoldinc.com>; Todd Glindeman <TGlindeman@brwncald.com>; Brandy Lapthorne <blapthorne@BrwnCald.com>; Annika Deutsch <ADeutsch@BrwnCald.com>

Cc: Mebane, Ann - FS <amebane@fs.fed.us>; Anderson, Bret A -FS <baanderson02@fs.fed.us>; Dingman, Sandra J -FS <sandrajdingman@fs.fed.us>; Dworjan, Paul <paul.dworjan@aecom.com>; Goessel, Kathryn M -FS <kgoessel@fs.fed.us>

Subject: RE: Midas Gold - Monthly Technical Session

Hi – I am discussing the air modeling and supporting documentation that came in on 7/21 with Ann Mebane and NP Tribal staff and understanding that it is so voluminous and apparently modified from what we understood was the plan was going forward from prior discussions with Midas Gold and Air Sciences that we feel a dedicated technical session (or two) would be helpful. We understand that you have an air-related technical session scheduled with NPT on August 17 and then we having our standing monthly technical sessions, so maybe those are some opportunities to convene air stakeholders and answer questions.

Given the above, we are also expecting that it will take longer than 20 working days to provide substantive feedback on the air-related documents currently out for review. Further, we do not have the updated modeling protocol or (apparently) a technical support document and have a lot of questions about what we do have.

Are some air-focused technical sessions something MGII/BC can help facilitate?

Thank you!

Piper Goessel
Stibnite PM/Geologist
Payette NF
208-634-0760
kgoessel@fs.fed.us



-----Original Appointment-----

From: SGP_PM [mailto:SGP_PM@brwncald.com]

Sent: Wednesday, May 30, 2018 5:10 PM

To: SGP_PM; Johnna Sandow (johnna.sandow@noaa.gov); Goessel, Kathryn M -FS; Valerie Porter (valerie.porter@aecom.com); Shepherd, Maria; Christen Marve Griffith (Christen.M.Griffith@usace.army.mil); Lynne Ann Hood (Hood.Lynne@epa.gov); Bujak, Charissa

(bujak.charissa@epa.gov); DGreen@idl.idaho.gov; Aaron.Scheff@deq.idaho.gov;
John.Chatburn@oer.idaho.gov; Scott.Pugrud@oer.idaho.gov; Gordon Cruickshank
(glc55@frontier.com); Ally Turner (ally_turner@fws.gov); Alan Haslam
(ahaslam@midasgoldinc.com); Dale Kerner (dkerner@midasgoldinc.com); Dan Kline
(dkline@midasgoldinc.com); Gene Bosley (bosley@midasgoldinc.com); Austin Zinsser; Todd
Glindeman; Brandy Lapthorne; Jeffrey Weaver; Kelly Donahue; Brad Hart; Paul Leonard; Amy Prestia;
Martin Steinpress; Ruth Griffiths; Alix Matos; Annika Deutsch; 'Jordan Nielsen'
Cc: Marde Mensinger; Nathan Herzog; Shoulders, MacNamara; Dworian, Paul; Mike Cox; Ezra
Kulczycki; Kelsey Norlund; Aditya Jani; Fritz.Durham@deq.idaho.gov; Sarah.Hansen@deq.idaho.gov;
Brady.Johnson@deq.idaho.gov; Rob Bowell; Matthew Van De Bogert
Subject: Midas Gold - Monthly Technical Session
When: Wednesday, August 15, 2018 1:30 PM-4:30 PM (UTC-07:00) Mountain Time (US & Canada).
Where: BC Boise Office, 950 West Bannock Street, Boise, Idaho; (b) (6) (b) (6)

[7/27 Update: Draft agenda attached.]

USFS, AECOM, Cooperating Agencies, NOAA Fisheries, and USFWS,

This calendar invite extends the monthly technical sessions (third Wednesday of each month), which will give the team an opportunity to pass along updates on technical issues that are relevant to the project at the time.

We will update each month's invite with the draft agenda and draft slides as they become available so that you can reach out to your agency subject matter experts (SMEs) for attendance. Please forward this invite to your agency's SMEs that I may have missed.

Please let us know if you have any questions. Thank you.

Annika

~~~~~

A Brown and Caldwell ShoreTel conference call has been created for this conference.

Call-in Number: (b) (6) **BC)**

Participant code: (b) (6) #

Click the link below for the web conference:

(b) (6)

~~~~~

<< File: 20180815_BC_Midas Gold_DRAFT Tech Pres Agenda.pdf >>

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.